

ABSTRACT

A clutch release bearing assembly includes a bearing carrier with a central axis. A bearing assembly, supported on the bearing carrier, includes a stationary race, a rotatable race and a plurality of anti-friction elements disposed therebetween. An aligning ring having a radial outer diameter and a front face is mounted to the rotatable race and is adapted for engagement with a spring plate of a clutch assembly. The bearing assembly is mounted to the bearing carrier to allow limited radial shifting of the bearing with respect to the bearing carrier. The front face of the aligning ring defines a plane that is normal to the axis of the bearing carrier, and the aligning ring and the bearing are mounted to the bearing carrier to allow limited angular displacement of the front face away from normal relative to the central axis of the bearing carrier.